

MS

STIC Biotechnology Systems Branch

CRF Problem Report

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 10/593,426
Filing Date: 9/19/06
Date Processed by STIC: 9/27/06

STIC Contact: Mark Spencer: Telephone: 571-272-2510; Fax: 571-273-0221

Nature of CRF Problem:

- ☐ (circle one) Damaged or Unreadable (for Unreadable, see attached)
- ☐ Blank (no files on CRF) (see attached)
- ☐ Empty file (filename present, but no bytes in file) (see attached)
- ☐ Wrong file saved to CRF (invention title, docket number, or applicant(s) do not match those in official application) (see attached)
- ☐ Not saved in ASCII text
- ☐ Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should only be the Sequence Listing.
- ☐ Did not contain a Sequence Listing. (see attached sample)
- ☒ Other: Alpha numeric headings in sequence.

PLEASE USE THE CHECKER VERSION 4.3.1 PROGRAM TO REDUCE ERRORS.
SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street,
Alexandria, VA 22314

Revised 08/30/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input checked="" type="checkbox"/> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	10/593,426
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input checked="" type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	

10/593,426
(Sample of submitted file)

PAGE 1

SEQUENCE LISTING

<110> PAPES, Fabio
GERHARDT, Isabel Rodrigues
ARRUDA, Paulo

<120> CAMBIUM/XYLEM-PREFERRED PROMOTERS AND USES THEREOF

<130> ALEL 202.1 PCT

<140>
<141>

<150> US 60/560,227

<151> 2004-04-06

<160> 41

<170> PatentIn version 3.2

<200> SEQUENCE CHARACTERISTICS:

<210> SEQ ID NO 1

<211> LENGTH: 3035

<212> TYPE: DNA

<213> ORGANISM: Populus sp.

<220> FEATURES:

<221> NAME/KEY: promoter

<222> LOCATION: (1)...(3035)

<223> OTHER INFORMATION: Sucrose synthase (SUSY) promoter

<400> SEQUENCE: 1

tcattgtccta tccaacggcg atgcaaaactt cgctgtcccg cactttttca taggacgagg tgaagtttag 70
ctatatatct ttttttttta atttaaattg ttaattcttt atatttttat attcttttaa ttttatattt
140
ctataattatt ttgatatatt acatcaagaa taaattttta aaaaataaatt tttaaaattt acttaaccac
210
gcaatacata aaaaataata gaacccacca acctaagaat acttgtcaat gcatagaagt acacctgcta
280
gttcttaaaa ccaacaaaag gaagcaaagt agatctctga gtcaaaaacc agaggaaacc atagaaacac
350
gcaataataa taataataat aataataata aaattaattt aacttggtgt aataataaaa ttaatttaat
420
tacaagaggt gtaactcaac tagtcatggt ctaaatttat tctctagaga ttactagttt gagttttaca
490
aattttaagg ccactgaaga tttatatagt cattaatttc agaatatata agattagttg agttacgtat
560
aaattgatta aaaaatcata ttaataaaaa taaaaaaatt aatttaaagg ttaagaaat caaattaaga
630
gaaagagtg gtgttttatt tttcatcgtg ccctctctca acagacaagt agaatgatga gagagagagg
700
gttaagaaat ggatttatga gaacattgac cacagggaaa gagagaagcg gttttgtgaa aggaacaatg
770
gaacacagg aaggtaaagc ggtaatgata tatttcacga atactaaaac tagaacaaca agttttttta
840
tgaattataa ccacgagtg c aaggccgtct tctctgtgta taaaagggtc cttcttcttt ctcatttccc
910
attctcatct gcaaacttct cttttgcaat ctttctttct tgcgttctgt gtgttcgttg tgatttgtgt
980

pls see item #1 on error
Summary sheet.

pls delete

pls delete,
invalid
numeric
identifiers.

pls do not insert
Alpha numeric headings
in sequence.

These types
of errors
are seen
globally
throughout
the sequence.

10/593, 426

PAGE 2

1050 tcatctctct tgtctattag cttgtccccc cgtecgactg ctttctgtat ttattctggc attaagctta
 1120 aggtaaagat cctcaacta tcccaagcaa tttattctgt ttttatgtga tcttgagggg tcttctctct
 1190 ggatgcgctt tttatttttt cttctctctt cttctgtctc cttcttacct tgtatctgat cccccagacg
 1260 aaaatgtttt ttgttttttt aattagctca acaaatacaa aacattcaca taataacaca gctcgaaaga
 1330 aatctgatac agttttaatc tgttgtatct taaaaatcat tacagttcat gcatgctgat actttaccat
 1400 gtcataaat taaatcccag catccttttc catagccaaa gaaggatcag cagcatgctg atagtttacc
 1470 atgtcatgaa attaaatccc agcatccttt tccatagcca aagaaagatc agcagcatgc ttgcttatac
 1540 aaggctcttcg cttgcttctc aaggccactg aaacatcatc atcgtcataa ctatgataga acccgctac
 1610 tgccggcatt gaaaacatca tcaactagtgt ctctacatta aaaaacaccc actgtctaatt ttcctatttt
 1680 tttactctta aaatgtcttt cggcttgagc tctcggggt ccacggatgg caactgctgt attatatata
 1750 tatatatata tatatatata tatatatata tatatatata tatatttocc tgttggtac
 1820 atagacctgt taataccgta taaatagata atattaatat atagaattca tgtatcttcc cgagattaag
 1890 cgatgccgta taaataatat taatatcttt gaatcagtat gtatattaat taaaattaat ttttttcaaa
 1960 gtaattttaa gagcgcattt tcaacatcca tttagttttt ttttaataat aaatctctct ttgcattaat
 2030 cctaacgttt gaacttagta aattaataaaa aggaaaatac ctttttcacc aatatagaat caatgaacag
 2100 cactagtttg cttgaaataa aaataaaaaat aaaatctaatt aagacatttc gaaatcatcc ttatccgcaa
 2170 atcactacat tagtatagta tcttgaaaga taagcaagga tcatgcaagt ttataataat taaacttaaa
 2240 acgtactatg acgtgtgcat cattcattca ttctgcatga aactctccac aagtctagcc ttgcatcat
 2310 tcattctact tcattttatt ttttctctta atggtttcga ttgatttttc tttcttagag tctggctctt
 2380 tagttcaact ttacatggtt taggctcgta ttttgagaga aaaaaaagaa aaaagtatgc agatcatgat
 2450 tctgcaaaat actgaactag tgttctgatg aattaacatg tagcatgtat aatgctggaa gaactaaaga
 2520 gcagttgggc tgccatgacc aaaagaaact tgcactgatt ataaatgtca aaacttgggc ccattctttg
 2590 gtttctgtct gttgttttat gccatggcaa aactctgctt atttttcaac gtccaacgct aaatgggaga
 2660 ggtttaaatt ctattgttat gtctaaacca cgtggttggt atctatatct gaccgaacat tcaagctttt
 2730 ggtattccac aagaagggtt ttctctcttc tttcttttca taattgtaat gtgtttaatt tgttcttgc
 2800 ccaataatct tctctgcttc aaactaactt taattgttcg atctcttgcg ttattttaga catgtgcaat
 2870 cacctttcac tgttgaaaaa atggttggtg aggtgaggtg gtaggttttg aagtcttcta gaataatgtg
 2940 gtttctctgt tgcctctgac ttcttcttgt agatcatttc tggctggcta agctatccat accccccg
 ccctacaaat aatattgagt tgttgcgtgt ctttaattcct attatctggtt attactccca ctgattgctt

SAMP
ERRORSSee
item

1

on error

Summary
Sheet

10/593, 426

PAGE 3

3010

tegtttctc ttaaggagct atggc

3035

← Same
error

10/593,426

page 4

<200> SEQUENCE CHARACTERISTICS:

<210> SEQ ID NO 13

<211> LENGTH 31

<212> TYPE DNA

<213> ORGANISM/SOURCE synthetic

<221> NAME/KEY primer/oligonucleotide

<400> SEQUENCE: 13

(5) GCCATAGCTC CTTAAGAGAA ACAGAAAGCA A-3

pls delete, Invalid numeric identifier

Invalid response

insert on line <223>

delete

pls use lower case

FYI:

<213> responses
CAN ONLY be
either
Artificial/
Unknown or
Genus/Species,

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

see item
10 on
error
summary
sheet.